

Claims

1. A hand power tool, having a housing (12) and a tool bit (15), in particular a metal-cutting tool bit, as well as having a guard means (22), which embraces the tool bit (15) and is coupleable to the housing (12) and axially adjustable relative to it, characterized in that the housing (12) and the guard means (22), in a first adjusting position, are positionable axially freely and in a second adjusting position, in particular guided by adjusting means, are positionable axially finely adjustably to one another, in particular lockably.
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2. The hand power tool in accordance with claim 1, characterized in that the adjusting positions are rapidly changeable by means of a relative motion between the guard means (22) and the housing (12).
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3. The hand power tool in accordance with claim 2, characterized in that the relative motion is a rotary motion between the guard means and the housing (12), in particular limited by a short rotational course.
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4. The hand power tool in accordance with the preamble to claim 1, characterized in that the guard means (22) is designed as a supporting foot, which annularly embraces the housing (12) and can be put into two predetermined rotary positions, which define one fine adjustment stage and one coarse adjustment stage for varying the axial position of the housing (12) relative to the supporting foot (22).
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5. The hand power tool in accordance with claim 3, characterized in that the two rotary positions are limited in overlocking fashion, in particular directly next to one another, with a minimal rotational course of the housing (12) relative to the supporting foot (22).
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6. The hand power tool in accordance with claim 3, characterized in that overlocking means (36, 37) that secure every adjustment stage against unintentional change are located between the housing (12) and the supporting

foot (22).

7. The hand power tool in accordance with one of the foregoing claims, characterized in that the housing (12) has a collar, onto which the supporting foot (22) can be slipped in telescoping fashion, and the outer contour of the housing (12) merges flush with that of the completely slipped-on supporting foot (22), and in this position of the housing (12) relative to the supporting foot (22), the minimal telescoping extension position and hence a maximum cutting depth for the tool bit (15) are set.

10 8. The hand power tool in accordance with one of claims 1, 4 or 7, characterized in that located between the housing (12) and the supporting foot (22) is a depth stop (34), which in the first adjustment stage does not and in the second adjustment stage does lockingly engage the inside of the housing (12) and the supporting foot (22).

20 9. The hand power tool in accordance with claim 8, characterized in that the depth stop (34) is designed as a screw bolt, on one end of which a control wheel (28) is seated in a manner fixed against relative rotation, with which control wheel the depth stop (34) is located rotatably and axially secured in the supporting foot (22).

25 10. The hand power tool in accordance with claim 9, characterized in that the control wheel (28) reaches outward, in particular in a manually operable way, through the supporting foot (22), and in particular its sleeve-like wall (23), and the screw bolt (35) rests in form-locking fashion over approximately half its length in a longitudinally parallel groove (33) in the inside of the wall (23) of the supporting foot (22) and with its radially protruding lengthwise region rests on the diametrically opposite side in an outer longitudinal housing groove (38) that is parallel to the groove (33).

30 11. The hand power tool in accordance with claim 10, characterized in that a further longitudinal housing groove (40), in particular with the same radius of curvature, is located next to the one longitudinal housing groove (38), and the

screw bolt (35) can be longitudinally placed in this further longitudinal housing groove.

12. The hand power tool in accordance with claim 11, characterized in that the longitudinal housing grooves (38, 40) are directly next to each other and can be put into a parallel overlocking engagement with the screw bolt (35) selectively by rotating the supporting foot (22) relative to the housing (12).

13. The hand power tool in accordance with claim 12, characterized in that the center spacing of the longitudinal housing grooves (38, 40) is less than twice their radius of curvature.

14. The hand power tool in accordance with claim 13, characterized in that overlocking means are located between the longitudinal housing grooves (38, 40) and seek to keep the screw bolt (35) positionally secure in prestressed fashion in its respective longitudinal housing groove (38, 40).

15. The hand power tool in accordance with claim 14, characterized in that one of the longitudinal housing grooves (38, 40) has fitting threaded means (50) or the like that are capable of engaging the inside of the screw bolt (35).

16. The hand power tool in accordance with claim 15, characterized in that the other of the longitudinal housing grooves (38, 40) embraces the screw bolt (34) with little contact, and in particular with radial play.

17. The hand power tool in accordance with claim 16, characterized in that between the longitudinal housing grooves (38, 40), as overlocking means a bolt (36) is braceable, radially spring-prestressed outward, longitudinally against the screw bolt (35), and in particular is retained in captive fashion in a slot in the housing wall (13).

18. The hand power tool in accordance with claim 17, characterized in that the collar (20) of the housing (12) and/or the upper edge (21), braceable thereon, of the sleevelike shaft of the supporting foot (22) extends obliquely.

19. The hand power tool in accordance with one of claims 1 through 18, characterized in that the adjusting positions are axially and radially fixable and releasable, in particular by clamping means (25, 30).

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20. The hand power tool in accordance with one of claims 1 through 19, characterized in that it is capable of being set down, in freestanding fashion, on a horizontal, level surface, with the aid of the supporting foot (22).

10 21. The hand power tool in accordance with one of the foregoing claims, characterized in that the housing (12) and the supporting foot (22) are secured against unintentional release from one another, in particular by a bayonet mount or stop means.

15 22. The hand power tool in accordance with one of the foregoing claims, characterized in that scale means (53) are located between the housing (12) and the supporting foot (22) for indicating the cutting depth.

20 23. The hand power tool in accordance with one of the foregoing claims, characterized in that it is designed as a top spindle molder, and the adjusting positions can be associated with a predetermined cutting depth.

25 24. Adjusting means for varying or fixing two parts relatively to one another that are located in telescoping fashion relative to one another, characterized in that they are designed in accordance with one of claims 1 through 23.

30 25. The hand power tool in accordance with one of the foregoing claims, characterized in that the supporting foot (22), particularly on the top side of its foot plate (26), has at least one indentation with an upward-protruding edge and with a nonslip surface structure which in particular is provided with rectangular impressions and which serves as a finger rest with a touch guard protecting the finger against the tool bit (15) when the supporting foot (22) is guided and held by hand in milling work.

26. The hand power tool in accordance with one of the foregoing claims, characterized in that a power cord (16) emerges from the housing (12) radially, to the rear, and angled upward.